

**IN THE CLAIMS**

Please amend claims 12-17 as set forth below. The following listing of claims replaces all previous listings.

1-11. (Canceled)

12. (Currently amended) An isolated nucleic acid sequence, wherein the nucleic acid encodes a protein comprising one of the following amino acid sequences:

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRCFRQQ ENPPLPLGSK	170

(SEQ ID NO:52);

MAQLCGL RRSRAFLALL GSLLLSGVLA	-1
ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRCFRQQ ENPPLPLGSK VVVLAGLFVM VLILFLGASM VYLIRVARRN	200
QERALRTVWS SGDDKEQLVK NTYVL	225

(SEQ ID NO:49);

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRCFRQQ ENPPLPLGSK VVVLAGLFVM VLILFLGASM VYLIRVARRN	200
QERALRTVWS SGDDKEQLVK NTYVL	225

(SEQ ID NO:71);

AGSFLAWL GSLLLSGVLA	-1
ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRCFRQQ ENPPLPLGSK VVVLGAVS	179

(SEQ ID NO:2);

MLR AEADGVSRLG GSLLLSGVLA	-1
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In re Application of:

Tamburini et al.

Application No.: 09/974,026

Filed: October 10, 2001

Page 7

PATENT

Attorney Docket No.: AERO1130-4

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50  
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF 100  
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRCFRQQ ENPPLPLGSK VVVLAGLFVM VLILFLGASM VYLIRVARRN 200  
QERALRTVWS SGDDKEQLVK NTYVL 225  
(SEQ ID NO:45);

MAQLCGL RRSRAFLALL GSLLLSGVLA -1  
ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFVYGGCDGNSNN 50  
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF 100  
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRCFRQQ ENPPLPLGSK VVVLAGLFVM VLILFLGASM VYLIRVARRN 200  
QERALRTVWS FGD 213  
(SEQ ID NO:47);

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50  
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF 100  
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRCFRQQ ENPPLPLGSK VVVLAGLFVM VLILFLGASM VYLIRVARRN 200  
QERALRTVWS FGD 213  
(SEQ ID NO:70);

IHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50  
YLTKEECLKK CATV 64  
(SEQ ID NO:4);

CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50  
YLTKEECLKK C 61  
(SEQ ID NO:5);

YEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRCFRQ 159  
(SEQ ID NO:6);

CTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRC 156  
(SEQ ID NO:7);

IHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50  
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF 100  
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150  
ACMLRCFRQ 159

In re Application of:

Tamburini et al.

Application No.: 09/974,026

Filed: October 10, 2001

Page 8

PATENT

Attorney Docket No.: AERO1130-4

(SEQ ID NO:3);

CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRC	156

(SEQ ID NO:50);

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF	100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE	150
ACMLRCFRQQ ENPPLPLGSK VVVLGAVS	179

(SEQ ID NO:1); and

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN	50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DS	92

(SEQ ID NO:8).

13. (Currently amended) The nucleic acid sequence of claim 12, wherein the nucleic acid comprises ~~one of the following nucleic acid sequences: SEQ ID NO:9, 32, 44, 46, 48, 51, and 75~~ a sequence selected from SEQ ID NOS: 9, 32, 44, 46, 48, 51 or 75.

14. (Currently amended) A self-replicating ~~protein~~ expression vector, comprising ~~the a~~ nucleic acid sequence of claim 12 or 13.

15. (Currently amended) The expression vector of claim 14, wherein the expression vector ~~is capable of expressing~~ expresses a protein that is: (a) is glycosylated; or (b) contains at least one intra-chain cysteine-cysteine disulfide bond; or (c) is both glycosylated and contains at least one intra-chain cysteine-cysteine disulfide bond.

16. (Currently amended) A method of ~~preparing~~ producing a protein encoded by ~~the a~~ nucleic acid of claim 12, comprising:

(a) inserting the nucleic acid into an appropriate protein expression vector by use of a recombinant DNA technology, to create a bikunin expression vector; and

In re Application of:

Tamburini et al.

Application No.: 09/974,026

Filed: October 10, 2001

Page 9

PATENT

Attorney Docket No.: AERO1130-4

(b) subjecting the bikunin expression vector to an appropriate protein expression system.

17. (Currently amended) The method of claim 16, wherein the protein is: (a) is glycosylated; (b) contains at least one intra-chain cysteine-cysteine disulfide bond; or (c) is both glycosylated and contains at least one intra-chain cysteine-cysteine disulfide bond.